

Appl. No. 09/880,727  
Amdt. dated October 27, 2003  
Reply to Office communication of October 9, 2003

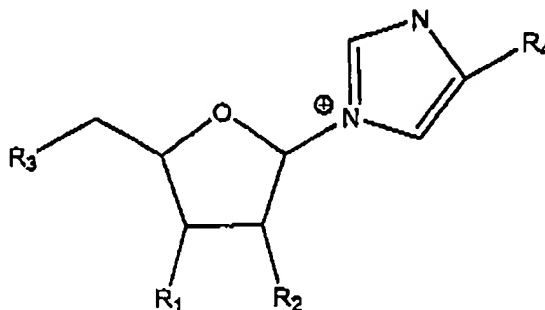
PATENT

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

47. (Currently Amended) A compound having the formula:

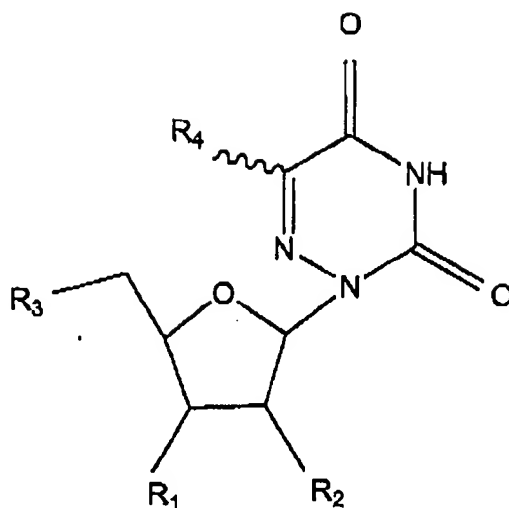


wherein R<sub>1</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group;  
R<sub>2</sub> is hydrogen or hydroxyl;  
R<sub>3</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and  
R<sub>4</sub> is a coupled labeled moiety.

48. (Original) A compound having the formula:

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wherein R1 is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group;  
R2 is hydrogen or hydroxyl;  
R3 is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and  
R4 is a coupled labeled moiety.

49. (Withdrawn) A method of identifying differences in nucleic acid levels between two or more nucleic acid samples, said method comprising the steps of:

(a) providing one or more oligonucleotide arrays each comprising probe oligonucleotides wherein said probe oligonucleotides comprise a nucleotide sequence or subsequences selected according to a process selected from the group consisting of random selection, a haphazard selection, a nucleotide composition biased selection, and all oligonucleotides of a preselected length;

(b) providing software describing the location and sequence of probe oligonucleotides on said array;

(c) hybridizing said nucleic acid samples to said one or more arrays to form hybrid duplexes between nucleic acids in said nucleic acid samples and probe oligonucleotides in said one or more arrays that are complementary to said nucleic acids or subsequences thereof;

(d) operating said software such that said hybridizing indicates differences in said nucleic acid levels.